TEST RESULTS OF GRADATION FOR WMM

Lab ID	:	**CP-RW-2018-02-03-02** **Date: 05-02-18**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to road drain and footpath in cross roads of Devinagara in ward no.08 Kodigehalli.
Agency	:	Executive Engineer, KRIDL, #280,59th Cross road, 17th 'C' Main road, 3rd 'Y Block, Rajajinagara, Bangalore-560 010
Customer Reference	:	BBMP/EE/BTP/WO/28/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	03-02-18
Sample ID No	:	2018-02-03-02/01
Type of Mix	:	WMM (Wet Mix Macadam)
Date of test	:	03-02-18
Oven Dry Weight	:	11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	200	200	1.8	98.2	95-100
22.4	2300	2500	22.7	77.3	60-80
11.2	1700	4200	38.2	61.8	40-60
4.75	2400	6600	60.0	40.0	25-40
2.36	700	7300	66.4	33.6	15-30
0.6	700	8000	72.7	27.3	8-22
0.075	1500	9500	86.4	13.6	0-5

Note:-

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Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

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Quality Manager

DETERMINATION OF FLAKINESS INDEX AND ELONGATION INDEX OF COARSE AGGREGATE(IS 2386 (Part 1) 1963 (RA 2007)

Lab ID	:	**CP-RW-2018-02-03-02** **Date: 05-02-18**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to road drain and footpath in cross roads of Devinagara in ward no.08 Kodigehalli.
Agency	:	Executive Engineer, KRIDL, #280,59th Cross road, 17th 'C' Main road, 3rd 'Y Block, Rajajinagara, Bangalore-560 010
Customer Reference	:	BBMP/EE/BTP/WO/28/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	03-02-18
Sample ID No	:	2018-02-03-02/01
Type of Mix	:	Coarse Aggregate for WMM (Wet Mix Macadam)
Date of test	:	03-02-18

Result:

Index	Percentage of Flakiness and Elongation Index(%)	Secified limits as per MORTH specification table 400-12
Flakiness Index	10.3	Combined Flakiness & Elongation Index for WMM is Maximum 35%
Elongation Index	15.1	
Combined Flakiness and Elongation Index for WMM	25.5	

Note:-
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Bangalore.

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Format No: CP/TF/01

TEST REPORT ON BITUMEN

Lab ID	:	**CP-RW-2018-02-05-02** **Date: 07-02-18**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to road drain and footpath in cross roads of Devinagara in ward no.08 Kodigehalli.
Agency	:	Executive Engineer, KRIDL, #280,59th Cross road, 17th 'C' Main road, 3rd 'Y Block, Rajajinagara, Bangalore-560 010
Customer's Reference	:	BBMP/EE/BTP/WO/28/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	05-02-18
Sample ID No	:	2018-02-05-02/01
Sample Type	:	Bitumen
Reference to BIS codes	:	IS: 1201-1220(1978) (Reaffirmed-2004)
Date of test	:	05-02-18

Test Results

Sl.no	Name of Test	Result	Requirements as per IS:73-2013
1	Penetration at 25°C , in 1/10th mm	**64**	60 to 70
2	Softening Point, °C	**51.2**	Min. 40°C
3	Ductility, cm	**98**	Min. 75cm
4	Flash point, °C	**245**	Min. 220°C
	Fire point, °C	**272**	

Note:
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TEST RESULTS OF GRADATION FOR BM
(IS 2386:(Part 1) 1963 (RA2011)

Lab ID	:	**CP-RW-2018-02-07-02** **Date: 09-02-18**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to road drain and footpath in cross roads of Devinagara in ward no.08 Kodigehalli.
Agency	:	Executive Engineer, KRIDL, #280,59th Cross road, 17th 'C' Main road, 3rd 'Y Block, Rajajinagara, Bangalore-560 010
Customer Reference	:	BBMP/EE/BTP/WO/28/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	07-02-18
Sample ID No	:	2018-02-07-02/01
Type of Mix	:	BM-Plant (Bituminous Macadam)
Date of test		07-02-18
Weight of Sample(gm)	:	5000

IS Sieve Size(mm)	Weight Retained(gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Specification Limits as per MORTH specification Table 500-7(grading -2)
26.5	0	0	0	100	100
19	400	400	8.0	92.0	90-100
13.2	900	1300	26.0	74.0	56-88
4.75	1950	3250	65.0	35.0	16-36
2.36	1100	4350	87.0	13.0	4-19
0.3	200	4550	91.0	9.0	2-10
0.075	450	5000	100.0	0.0	0-8
PAN	0	5000	100.0	0.0	0

Note:
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Yelahanka Zone, B.B.M.P.,
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PHYSICAL REQUIREMENTS FOR COARSE AGGREGATE FOR BITUMINOUS MACADAM

Lab ID	:	**CP-RW-2018-02-07-02** **Date: 10-02-18**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to road drain and footpath in cross roads of Devinagara in ward no.08 Kodigehalli.
Agency	:	Executive Engineer, KRIDL, #280,59th Cross road, 17th 'C' Main road, 3rd 'Y Block, Rajajinagara, Bangalore-560 010
Customer Reference	:	BBMP/EE/BTP/WO/28/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	07-02-18
Sample ID No	:	2018-02-07-02/01
Type of Mix	:	BM (Bituminous Macadam)
Date of test	:	07-02-18

Table 500-6 : Physical Requirements fo Coarse Aggregate for Bituminous Macadam

Property	Test	Result	Specification	Method of Test
Partical Shape	Flakiness Index	10.42	Combined Flakiness & Elongation Index for BM is Maximum 35%	IS:2386 Part I
	Elongation Index	10.12		
Strength	Aggregate Impact Value	19.22	Maximum 30%	IS:2386 Part IV
Specific gravity	Specific gravity	2.74	Maximum 2.7	IS:2386 Part III
Water Absorption	Water Absorption	0.89	Maximum 2%	IS:2386 Part III

Note:

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End of Report

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TEST REPORT OF AGGEGRATE STRIPPING VALUE OF ROAD AGGRGATE (IS:6241)

Lab ID	:	**CP-RW-2018-02-07-02** **Date: 10-02-18**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to road drain and footpath in cross roads of Devinagara in ward no.08 Kodigehalli.
Agency	:	Executive Engineer, KRIDL, #280,59th Cross road, 17th 'C' Main road, 3rd 'Y Block, Rajajinagara, Bangalore-560 010
Customer Reference	:	BBMP/EE/BTP/WO/28/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	07-02-18
Sample ID No	:	2018-02-07-02/01
Type of Mix	:	BM(Bitumnous Macadam)
Date of test	:	07-02-18

Type of Binder	:	60/70
% of Binder Used	:	5.0%
Weight of Aggregate	:	200.0 gm
Weight of Binder	:	10.0 gm
Temperature of water bath	:	40°C

No of test	Retained Stripping Percentage	Stripping Percentage	Average Retained Stripping Percentage	Secified limits as per MORTH specification table 500-8
1	99.9	0.1	99.6	Minimum Retained Coating 95%
2	99.3	0.7		
3	99.7	0.3		

Note:
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Quality Manager

Assistant Executive Engineer,
Kodigehalli Sub Division,
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Bangalore.

****End of Report****

TESTS RESULTS ON STABILITY OF MIX

Lab ID	:	**CP-RW-2018-02-07-02** **Date: 10-02-18**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to road drain and footpath in cross roads of Devinagara in ward no.08 Kodigehalli.
Agency	:	Executive Engineer, KRIDL, #280,59th Cross road, 17th 'C' Main road, 3rd 'Y Block, Rajajinagara, Bangalore-560 010
Customer Reference	:	BBMP/EE/BTP/WO/28/2017-18
Source of Sample	:	Hot Mix Plant, Bangalore
Sample Condition	:	Satisfactory
Date of Receipt	:	07-02-18
Sample ID No	:	2018-02-07-02/01
Type of Mix	:	BM (Bituminous Mecadam)
Date of test	:	07-02-18

The results of the tests conducted on the Bituminous Macadam mix sample are as follow

Sl.No	Particulars of observations	TEST 1	TEST 2	Secified limits as per MORTH specification table 500-11
1	Marshal Stability at 60°C, KN	13.78	13.68	9KN(Min)
2	Marshal flow at 60°C, mm	3.75	2.09	2-4
3	Percent air Voids	4.85	3.03	3-5
4	Percent Voids in mineral Aggregate(VMA %)	14.12	13.11	13-15
5	Percent Voids filled with Bitumen(VFB %)	65.81	68.47	65-75
6	Density, g/cc	2.40	2.42	–

Note:-

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Bangalore

End of Report

TEST RESULTS OF GRADATION FOR BC
IS 2386 (Part 1) 1963 (RA 2007)

Lab ID	:	**CP-RW-2018-02-12-02**	**Date: 14-02-18**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.	
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.	
Project Name	:	Improvements to road drain and footpath in cross roads of Devinagara in ward no.08 Kodigehalli.	
Agency	:	Executive Engineer, KRIDL, #280,59th Cross road, 17th 'C' Main road, 3rd 'Y Block, Rajajinagara, Bangalore-560 010	
Customer Reference	:	BBMP/EE/BTP/WO/28/2017-18	
Source of Sample	:	Sample supplied by Agency	
Sample Condition	:	Satisfactory	
Date of Receipt	:	12-02-18	
Sample ID No	:	2018-02-12-02/01	
Type of Mix	:	BC-Plant (Bituminous Concrete)	
Date of test	:	12-02-18	
Oven Dry Weight	:	5000 Grams	

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-17(grading-2)
19	0	0	0.0	100.0	100
13.2	200	200	4.0	96.0	90-100
9.5	750	950	19.0	81.0	70-88
4.75	1150	2100	42.0	58.0	53-71
2.36	450	2550	51.0	49.0	42-58
1.18	400	2950	59.0	41.0	34-48
0.6	550	3500	70.0	30.0	26-38
0.3	550	4050	81.0	19.0	18-28
0.15	150	4200	84.0	16.0	12-20
0.075	600	4800	96.0	4.0	4-10
PAN	200	5000	100	0.0	0

Note:
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Bangalore.

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Authorized Signatory
Quality Manager

End of Report

PHYSICAL REQUIREMENTS FOR COARSE AGGREGATE FOR BITUMINOUS CONCRETE

Lab ID : **CP-RW-2018-02-12-02** **Date: 15-02-18**

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to road drain and footpath in cross roads of Devinagara in ward no.08 Kodigehalli.

Agency : Executive Engineer, KRIDL, #280,59th Cross road, 17th 'C' Main road, 3rd 'Y Block, Rajajinagara, Bangalore-560 010

Customer Reference : BBMP/EE/BTP/WO/28/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 12-02-18

Sample ID No : 2018-02-12-02/01

Type of Mix : BC (Bituminous Concrete)

Date of test : 12-02-18

Table 500-16 : Physical Requirements fo Coarse Aggregate for Bituminous Concrete

Property	Test	Result	Specification	Method of Test
Partical Shape	Flakiness Index	11.9	Combined Flakiness & Elongation Index for BC is Maximum 35%	IS:2386 Part I
	Elongation Index	12.4		
Strength	Aggregate Impact Value	24.8	Maximum 24%	IS:2386 Part IV
Specific gravity	Specific gravity	2.00	Maximum 2.7	IS:2386 Part III
Water Absorption	Water Absorption	1.47	Maximum 2%	IS:2386 Part III

Note:

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All information furnished by Customer/Representative
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Quallity Manager

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

End of Report

TEST REPORT OF AGGEGRATE STRIPPING VALUE OF ROAD AGGRGATE (IS:6241)

Lab ID	:	**CP-RW-2018-02-12-02** **Date: 15-02-18**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to road drain and footpath in cross roads of Devinagara in ward no.08 Kodigehalli.
Agency	:	Executive Engineer, KRIDL, #280,59th Cross road, 17th 'C' Main road, 3rd 'Y Block, Rajajinagara, Bangalore-560 010
Customer Reference	:	BBMP/EE/BTP/WO/28/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-02-18
Sample ID No	:	2018-02-12-02/01
Type of Mix	:	BC(Bitumenous Concrete)
Date of test	:	12-02-18

Type of Binder	:	60/70
% of Binder Used	:	5.0%
Weight of Aggregate	:	200.0 gm
Weight of Binder	:	10.0 gm
Temperature of water bath	:	40°C

No of test	Retained Stripping Percentage	Stripping Percentage	Average Retained Stripping Percentage	Secified limits as per MORTH specification table 500-8
1	98.1	1.9	98.7	Minimum Retained Coating 95%
2	99.0	1.0		
3	98.8	1.2		

Note:
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Quality Manager

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

****End of Report****

PHYSICAL REQUIREMENTS FOR COARSE AGGREGATE FOR BITUMINOUS CONCRETE

Lab ID	:	**CP-RW-2018-02-12-02**	**Date: 15-02-18**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.	
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.	
Project Name	:	Improvements to road drain and footpath in cross roads of Devinagara in ward no.08 Kodigehalli.	
Agency	:	Executive Engineer, KRIDL, #280,59th Cross road, 17th 'C' Main road, 3rd 'Y Block, Rajajinagara, Bangalore-560 010	
Customer Reference	:	BBMP/EE/BTP/WO/28/2017-18	
Source of Sample	:	Sample supplied by Agency	
Sample Condition	:	Satisfactory	
Date of Receipt	:	12-02-18	
Sample ID No	:	2018-02-12-02/01	
Type of Mix	:	BC (Bituminous Concrete)	
Date of test	:	12-02-18	

Table 500-16 : Physical Requirements fo Coarse Aggregate for Bituminous Concrete

Property	Test	Result	Specification	Method of Test
Partical Shape	Flakiness Index	11.9	Combined Flakiness & Elongation Index for BC is Maximum 35%	IS:2386 Part I
	Elongation Index	12.4		
Strength	Aggregate Impact Value	24.8	Maximum 24%	IS:2386 Part IV
Specific gravity	Specific gravity	2.00	Maximum 2.7	IS:2386 Part III
Water Absorption	Water Absorption	1.47	Maximum 2%	IS:2386 Part III

Note:

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Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
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End of Report

TESTS RESULTS ON STABILITY OF MIX

Lab ID	:	**CP-RW-2018-02-12-02** **Date: 15-02-18**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to road drain and footpath in cross roads of Devinagara in ward no.08 Kodigehalli.
Agency	:	Executive Engineer, KRIDL, #280,59th Cross road, 17th 'C' Main road, 3rd 'Y Block, Rajajinagara, Bangalore-560 010
Customer Reference	:	BBMP/EE/BTP/WO/28/2017-18
Source of Sample	:	Hot Mix Plant, Bangalore
Sample Condition	:	Satisfactory
Date of Receipt	:	12-02-18
Sample ID No	:	2018-02-12-02/01
Type of Mix	:	BC (Bituminous Concrete)
Date of test	:	12-02-18

The results of the tests conducted on the Bituminous Concrete mix sample are as follow

Sl.No	Particulars of observations	TEST 1	TEST 2	Secified limits as per MORTH specification table 500-11
1	Marshal Stability at 60°C, KN	13.42	11.73	10KN(min)
2	Marshal flow at 60°C, mm	4.91	4.95	2-4
3	Percent air Voids	4.73	5.60	3-5
4	Percent Voids in mineral Aggregate(VMA %)	13.23	14.43	13-15
5	Percent Voids filled with Bitumen(VFB %)	65.11	68.83	65-75
6	Density, g/cc	2.26	2.25	–

Note:-

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Page 1 of 1
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TEST RESULTS OF GRADATION FOR BM
(IS 2386:(Part 1) 1963 (RA2011)

Lab ID	:	**CP-RW-2018-02-17-02**	**Date: 17-02-18**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.	
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.	
Project Name	:	Improvements to road drain and footpath in cross roads of Devinagara in ward no.08 Kodigehalli.	
Agency	:	Executive Engineer, KRIDL, #280,59th Cross road, 17th 'C' Main road, 3rd 'Y Block, Rajajinagara, Bangalore-560 010	
Customer Reference	:	BBMP/EE/BTP/WO/28/2017-18	
Source of Sample	:	Sample supplied by Agency	
Date of Receipt	:	17-02-18	
Sample ID No	:	2018-02-17-02/01	
Type of Mix	:	BM (Bituminous Macadam)	
Date of test	:	17-02-18	

Sl.no	Description	Index	Trail 1	Trail 2
1	Weight of the Sample	A	500	500
2	Weight of the sample After extraction	B	483	482
3	Bitumen percentage	$\frac{A-B}{A} \times 100$	3.40	3.60
4	Average percentage	%	3.50	

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Lab ID : **CP-RW-2018-02-17-02** **Date: 17-02-18**

Sample ID No : **2018-02-17-02/01**

AFTER EXTRACTION(Trail-1)

Weight of Sample : 483 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Specification Limits as per MORTH specification Table 500-7(grading -2)
26.5	0	0	0.0	100.0	100
19	39	39	8.0	92.0	90-100
13.2	111	150	31.0	69.0	56-88
4.75	227	377	78.0	22.0	16-36
2.36	29	406	84.0	16.0	4-19
0.3	53	459	95.0	5.0	2-10
0.075	0	459	95.0	5.0	0-8

AFTER EXTRACTION(Trail-2)

Weight of Sample : 482 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Specification Limits as per MORTH specification Table 500-7(grading -2)
26.5	0	0	0.0	100.0	100
19	39	39	8.0	92.0	90-100
13.2	53	92	19.0	81.0	56-88
4.75	222	313	65.0	35.0	16-36
2.36	130	443	92.0	8.0	4-19
0.3	29	472	98.0	2.0	2-10
0.075	0	472	98.0	2.0	0-8

Note:-
The results pertain to the samples received and tested.
All information furnished by the Customer/ Representative.
Any correction in the report will make this report invalid.
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

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CIVIL PRO * Sig..... Date..... * BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

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End of Report

TEST RESULTS OF GRADATION FOR BC
IS 2386 (Part 1) 1963 (RA 2011)

Lab ID	:	**CP-RW-2018-02-19-02**	**Date: 19-02-18**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.	
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.	
Project Name	:	Improvements to road drain and footpath in cross roads of Devinagara in ward no.08 Kodigehalli.	
Agency	:	Executive Engineer, KRIDL, #280,59th Cross road, 17th 'C' Main road, 3rd 'Y Block, Rajajinagara, Bangalore-560 010	
Customer Reference	:	BBMP/EE/BTP/WO/28/2017-18	
Source of Sample	:	Sample supplied by Agency	
Date of Receipt	:	19-02-18	
Sample ID No	:	2018-02-19-02/01	
Type of Mix	:	BC (Bituminous Concrete)	
Date of test	:	19-02-18	

Sl.no	Description	Index	Trail 1	Trail 2
1	Weight of the Sample	A	500	500
2	Weight of the sample After extraction	B	471	472
3	Bitumen percentage	$\frac{A-B}{A} \times 100$	5.80	5.60
4	Average percentage	%	5.7	

FOR CIVIL Pro.

CIVIL PRO BANGALORE Sig..... Date.....

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Lab ID : **CP-RW-2018-02-19-02** **Date: 19-02-18**

Sample ID : **2018-02-19-02/01**

AFTER EXTRACTION - Trail-1

Total Weight of the Sample(gm) : 471

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	42	42	9.0	91.0	90-100
9.5	75	118	25.0	75.0	70-88
4.75	80	198	42.0	58.0	53-71
2.36	33	231	49.0	51.0	42-58
1.18	24	254	54.0	46.0	34-48
0.6	42	297	63.0	37.0	26-38
0.3	42	339	72.0	28.0	18-28
0.15	75	414	88.0	12.0	12-20
0.075	24	438	93.0	7.0	4-10

AFTER EXTRACTION - Trail-2

Total Weight of the Sample(gm) : 472

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	38	38	8.0	92.0	90-100
9.5	57	94	20.0	80.0	70-88
4.75	85	179	38.0	62.0	53-71
2.36	90	269	57.0	43.0	42-58
1.18	19	288	61.0	39.0	34-48
0.6	5	293	62.0	38.0	26-38
0.3	57	349	74.0	26.0	18-28
0.15	52	401	85.0	15.0	12-20
0.075	33	434	92.0	8.0	4-10

Note:

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FOR CIVIL Pro.

R KARTHIK RECHAN
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Quality Manager

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

End of Report